

**COMBINED DECLARATION  
AND POWER OF ATTORNEY**

**(Original, Design, National Stage of PCT, Divisional, Continuation or C-I-P Application)**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

IN SITU LANGERHANS CELL VACCINE

This declaration is of the following type:

- ☒ original
- ☐ design
- ☐ national stage of PCT.
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part (C-I-P)

the specification of which: *(complete (a), (b), or (c))*

- (a) ☒ is attached hereto.
- (b) ☐ was filed on    as Application Serial No.    and was amended on    *(if applicable)*.
- (c) ☐ was described and claimed in PCT International Application No.    filed    on    and was amended on    *(if applicable)*.

**Acknowledgement of Review of Papers and Duty of Candor**

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of the subject matter claimed in this application in accordance with Title 37, Code of Federal Regulations § 1.56.

☐ In compliance with this duty there is attached an information disclosure statement. 37 CFR 1.98.

**Priority Claim**

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or of any PCT International Application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT International Application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application on which priority is claimed

*(complete (d) or (e))*

- (d) ☒ no such applications have been filed.
- (e) ☐ such applications have been filed as follows:

PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO SAID APPLICATION			
COUNTRY	APPLICATION NO.	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)
			PRIORITY CLAIMED UNDER 35 USC 119 <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>
			<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>
			<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>

ALL FOREIGN APPLICATION[S], IF ANY, FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO SAID APPLICATION			
COUNTRY	APPLICATION NO.	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)
			PRIORITY CLAIMED UNDER 35 USC 119 <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>
			<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>
			<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>

### Claim for Benefit of Prior U.S. Provisional Application(s)

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

Provisional Application Number	Filing Date

### Claim for Benefit of Earlier U.S./PCT Application(s) under 35 U.S.C. 120

*(complete this part only if this is a divisional, continuation or C-I-P application)*

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior application(s) in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose information as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)

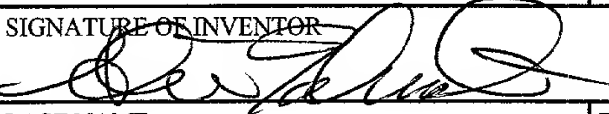

### Power of Attorney

As a named inventor, I hereby appoint Dana M. Raymond, Reg. No. 18,540; Frederick C. Carver, Reg. No. 17,021; Francis J. Hone, Reg. No. 18,662; Joseph D. Garon, Reg. No. 20,420; Arthur S. Tenser, Reg. No. 18,839; Ronald B. Hildreth, Reg. No. 19,498; Thomas R. Nesbitt, Jr., Reg. No. 22,075; Robert Neuner, Reg. No. 24,316; Richard G. Berkley, Reg. No. 25,465; Richard S. Clark, Reg. No. 26,154; Bradley B. Geist, Reg. No. 27,551; James J. Maune, Reg. No. 26,946; John D. Murnane, Reg. No. 29,836; Henry Tang, Reg. No. 29,705; Robert C. Scheinfeld, Reg. No. 31,300; John A. Fogarty, Jr., Reg. No. 22,348; Louis S. Sorell, Reg. No. 32,439; Rochelle K. Seide Reg. No. 32,300; Gary M. Butter, Reg. No. 33,841; Marta E. Delsignore, Reg. No. 32,689; and Lisa B. Kole, Reg. No. 35,225 of the firm of BAKER BOTTS L.L.P., with offices at 30 Rockefeller Plaza, New York, New York 10112, as attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith

<b>SEND CORRESPONDENCE TO:</b> BAKER BOTTS L.L.P. 30 ROCKEFELLER PLAZA, NEW YORK, N.Y. 10112 CUSTOMER NUMBER: 21003	<b>DIRECT TELEPHONE CALLS TO:</b> BAKER BOTTS L.L.P. (212) 705-5000
--	---

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge

that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF SOLE OR FIRST INVENTOR	LAST NAME Takashima	FIRST NAME Akira	MIDDLE NAME	
RESIDENCE & CITIZENSHIP	CITY Coppell	STATE or FOREIGN COUNTRY Texas	COUNTRY OF CITIZENSHIP Japan	
POST OFFICE ADDRESS	POST OFFICE ADDRESS 946 Hummingbird	CITY Coppell	STATE or COUNTRY Texas	ZIP CODE 75019
DATE 3-7-01	SIGNATURE OF INVENTOR 			
FULL NAME OF SECOND JOINT INVENTOR, IF ANY	LAST NAME Kumamoto	FIRST NAME Tadashi	MIDDLE NAME	
RESIDENCE & CITIZENSHIP	CITY Irving	STATE or FOREIGN COUNTRY Texas	COUNTRY OF CITIZENSHIP Japan	
POST OFFICE ADDRESS	POST OFFICE ADDRESS 1125 Hidden Ridge, Apt. 1093	CITY Irving	STATE or COUNTRY Texas	ZIP CODE 75038
DATE 3/7/01	SIGNATURE OF INVENTOR 			

Check proper box(es) for any added page(s) forming a part of this declaration

- ☐ Signature for ninth and subsequent joint inventors. Number of pages added \_\_\_\_\_.
- ☐ Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor.  
Number of pages added \_\_\_\_\_.
- ☐ Signature for inventor who refuses to sign, or cannot be reached, by person authorized under 37 CFR 1.47.  
Number of pages added \_\_\_\_\_.

A S S I G N M E N T

WHEREAS, AKIRA TAKASHIMA and TADASHI KUMAMOTO, both citizens of Japan,, whose post office addresses are 946 Hummingbird, Coppell, Texas 75019 and 1125 Hidden Ridge, APT 1093, Irving, Texas 75038 respectively, have made an invention for which we are about to make application for Letters Patent of the United States entitled "IN SITU LANGERHANS CELL VACCINE" and

WHEREAS, UT SOUTHWESTERN MEDICAL CENTER, a corporation organized and existing under the laws of the State of Texas and having an office for the transaction of business at 5323 Harry Hines Blvd., Dallas, Texas 75390-9094, is desirous of acquiring the entire right, title and interest in and to said invention and any improvements thereon, and in and to the said provisional application and application for Letters Patent therefor, and any Letters Patent which may be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that WE, the said AKIRA TAKASHIMA and TADASHI KUMAMOTO, for and in consideration of the sum of One Dollar (\$1.00), lawful money of the United States, to us in hand paid by said UT SOUTHWESTERN MEDICAL CENTER, and other valuable considerations unto us moving from said UT SOUTHWESTERN MEDICAL CENTER, at or before the ensealing and delivery of these presents, the receipt of which is hereby acknowledged, have sold, assigned, transferred and conveyed and by these presents do sell, assign, transfer and convey, unto said CO-ASSIGNEES, their successors and assigns, the entire right, title and interest in and to the said invention entitled "IN SITU LANGERHANS CELL VACCINE", and any and all improvements thereon, and in and to said application and any division, continuation or continuation-in-part thereof, and in and to any Letters Patent of the United States which may be issued on any of said applications, and any reissues thereof, and in and to any and all applications for Letters Patent filed in foreign countries for said invention or improvements including all priority rights, and any and all Letters Patent which may be granted in foreign countries therefor, TO HAVE AND TO HOLD THE SAME to the full end of the term or terms for which any and all said Letters Patent may be granted;

AND WE, the said AKIRA TAKASHIMA and TADASHI KUMAMOTO, do hereby authorize and request the Commissioner of Patents and Trademarks to issue the said Letters Patent of the United States to said UT SOUTHWESTERN MEDICAL CENTER, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said UT SOUTHWESTERN MEDICAL CENTER, their successors and assigns;

AND WE, the said AKIRA TAKASHIMA and TADASHI KUMAMOTO, for the considerations aforesaid, do hereby covenant and agree to and with said as the assignee of the entire right, their successors and assigns, that we have the full power to make this assignment, and that the rights assigned are not encumbered by any grant, license or right heretofore given, and that we, our executors or administrators, shall and will do all lawful acts and things and make, execute and deliver without further compensation, any and all other instruments in writing, further applications, papers, affidavits, powers of attorney, assignments, and other documents which, in the opinion of counsel for UT SOUTHWESTERN MEDICAL CENTER, its successors and assigns, may be required or necessary more effectively to secure to and vest in said UT SOUTHWESTERN MEDICAL CENTER, their successors and assigns, the entire right, title and interest in and to said invention and improvements, applications, Letters Patent, rights, titles, benefits, privileges, and advantages hereby sold, assigned, transferred and conveyed, and that we will sign any applications for reissue which may be desired by the owner of the patent or patents which may be issued for the said invention or improvements.

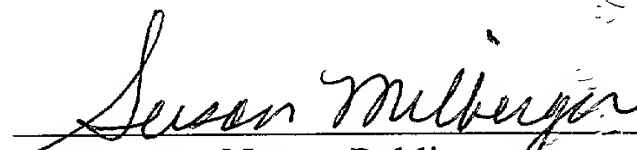
IN WITNESS WHEREOF, WE, the said AKIRA TAKASHIMA and TADASHI KUMAMOTO, have hereunto set our hands and seals on the date below written.



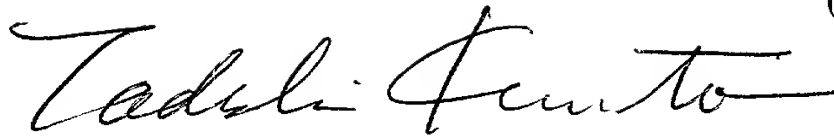
AKIRA TAKASHIMA

STATE OF Texas )  
COUNTY OF Dallas ) ss.:

BE IT KNOWN, that on this 7 day of March, 2001, before me personally came AKIRA TAKASHIMA, to me known and known to me to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.




Notary Public



TADASHI KUMAMOTO

STATE OF *Texas* )COUNTY OF *Dallas* ) SS.:

BE IT KNOWN, that on this 7 day of March, 2001, before me personally came TADASHI KUMAMOTO, to me known and known to me to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

  
Notary Public

---